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मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 12420-8 (1988): Circular Audio Connectors, Part 8: Plug, Ten Contacts, Rigid Type 12420 Is-07 [LITD 3: Electromechanical Components and Mechanical Structures for Electronic Equipment]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartihari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard

SPECIFICATION FOR CIRCULAR AUDIO CONNECTORS

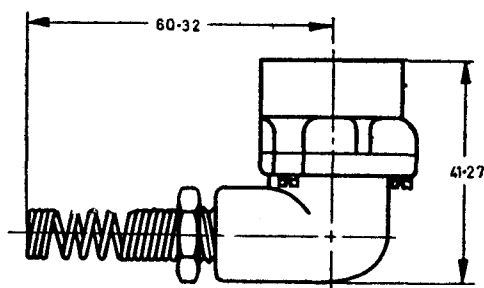
PART 8 PLUG, TEN CONTACTS, RIGID TYPE 12420 IS-07

0.1 General — This standard shall be read in conjunction with IS : 12420 (Part 1) 'Specification for circular audio connectors : Part 1 Test schedule and requirements'

1. Type Designation — The type designation [see 4.1 of IS : 12420 (Part 1)], type of contact and typical mating connector for this type of connector are given below:

Type No.	Type of Contact	Typical Mating Connector
12420 IS-07	Solder	12420 IS-06 and 12420 IS-05

2. Outline and Dimensions — The outline and dimensions shall be according to Fig 1.



All dimensions in millimetres.
FIG. 1 OUTLINE AND DIMENSIONS

3. Material, Finish and Life — The material, finish and life requirement shall be as given below:

a) *Material*

Outer shell	:	Diecast alloy
Dielectric	:	DAP/rubber
Contact	:	Be-Cu, gold plated
Mounting parts	:	Brass

b) *Finish* — All shell and mounting parts to be finished to cadmium plate with olive drab chromatic finish.

c) *Mechanical* — 1 500 mating cycles at a rate of 30 cycles/minute.

4. Climatic Category

a) Temperature severity	:	-55 to +85°C
b) Damp heat severity	:	56 days
c) Air pressure severity	:	8.5 kPa
d) Acceleration (steady state)	:	170 m/s ²
e) Vibration	:	10 to 55 Hz
f) Shock	:	500 m/s ²

Adopted 25 August 1988

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5. Electrical Characteristics

- a) Current rating : 500 mA, *Max*
- b) Voltage rating : 60 mV, *Min*
: 50 V, *Max*
- c) Contact resistance : 15 milliohms

6. Tests — See 8 of IS : 12420 (Part 1).

7. Marking — See 5 of IS : 12420 (Part 1).

EXPLANATORY NOTE

This standard is based on JSS 50831 (Nov 1972) 'Detail Specification for connectors, circular, audio'. The types of connectors covered in this standard are equivalent to pattern JSS 50831/07-01.